



Technical Service Information

TOYOTA A245E/246E

VALVE BODY IDENTIFICATION

Refer to Figure 1 for Valve Body Identification (Bottom Side) for Early TV Cable Application.

Refer to Figure 2 for Lower Valve Body Identification (Bottom Side) for Early TV Cable Application.

Refer to Figure 3 for Lower Valve Body Identification (Top Side) for Early TV Cable Application.

Refer to Figure 4 for Upper Valve Body Identification for the Early TV Cable Application.

Refer to Figure 5 for Upper Valve Body Valve Identification for Early TV Cable Application.

Refer to Figure 6 for Lower Valve Body Valve Identification for Early TV Cable Application.

Refer to Figure 7 for Valve Body Identification (Bottom Side) for Late TV Cable Application.

Refer to Figure 8 for Lower Valve Body Identification (Bottom Side) for Late TV Cable Application.

Refer to Figure 9 for Lower Valve Body Identification (Top Side) for Late TV Cable Application.

Refer to Figure 10 for Upper Valve Body Identification for Late TV Cable Application.

Refer to Figure 11 for Upper Valve Body Valve Identification for Late TV Cable Application.

Refer to Figure 12 for Lower Valve Body Valve Identification for Late TV Cable Application.

Refer to Figure 13 for Valve Body Identification (Bottom Side) for SLT Solenoid Application.

Refer to Figure 14 for Valve Body Identification (Top Side) for SLT Solenoid Application.

Refer to Figure 15 for Lower Valve Body Identification (Top Side) for SLT Solenoid Application.

Refer to Figure 16 for Upper Valve Body Identification for SLT Solenoid Application.

Refer to Figure 17 for Lower Valve Body Cover Identification for SLT Solenoid Application.

Refer to Figure 18 for Upper Valve Body Valve Identification for SLT Solenoid Application.

Refer to Figure 19 for Lower Valve Body Valve Identification for SLT Solenoid Application.

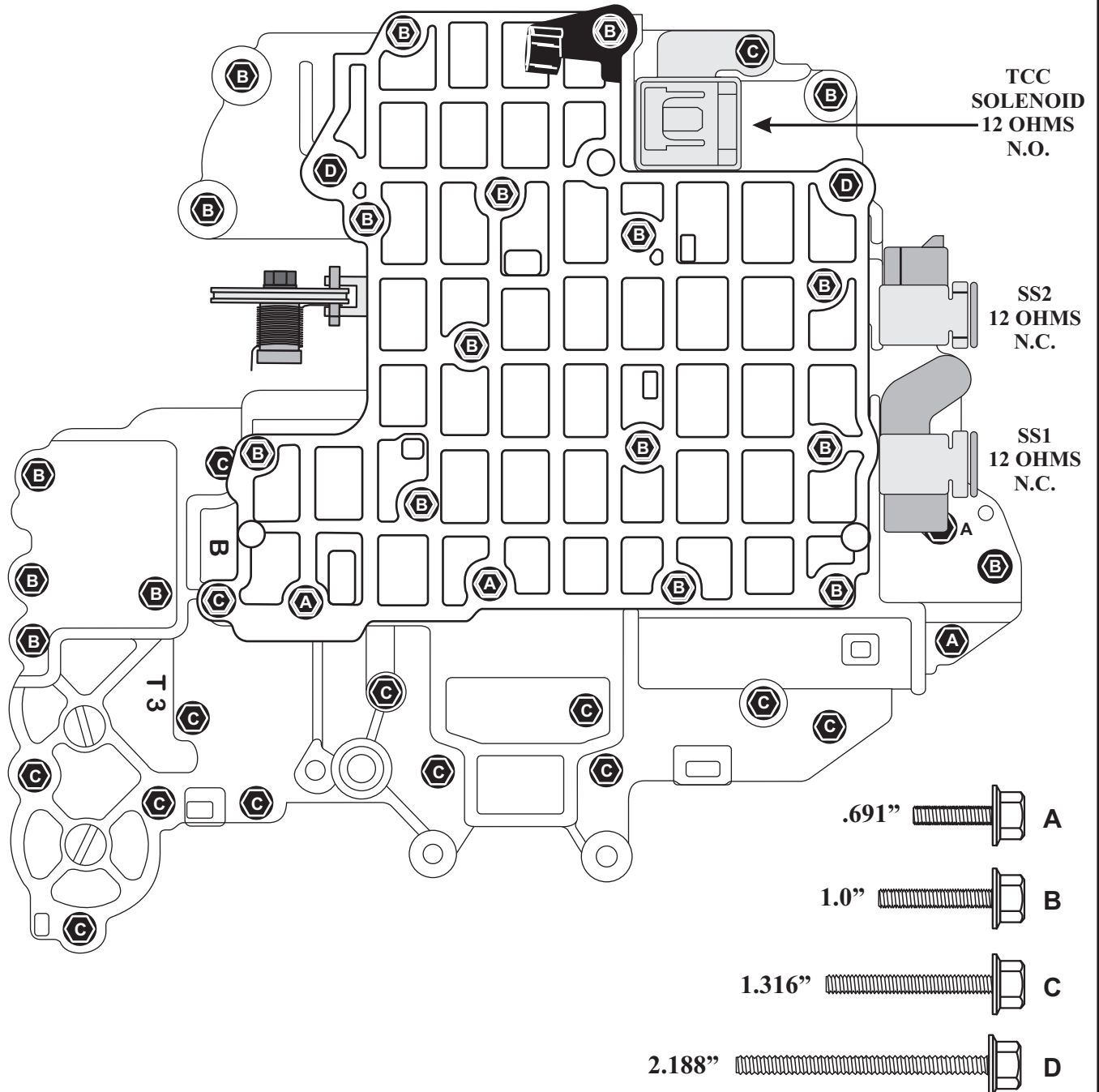
A very special thank you to Gerald of Worldwide Transmission Parts in Chicago for the use of these valve bodies.

TOYOTA A245E/246E

VALVE BODY IDENTIFICATION

VALVE BODY ASSEMBLY (Bottom Side)

(Early With TV Cable)



Torque Valve Body Bolts To 56 In Lb.

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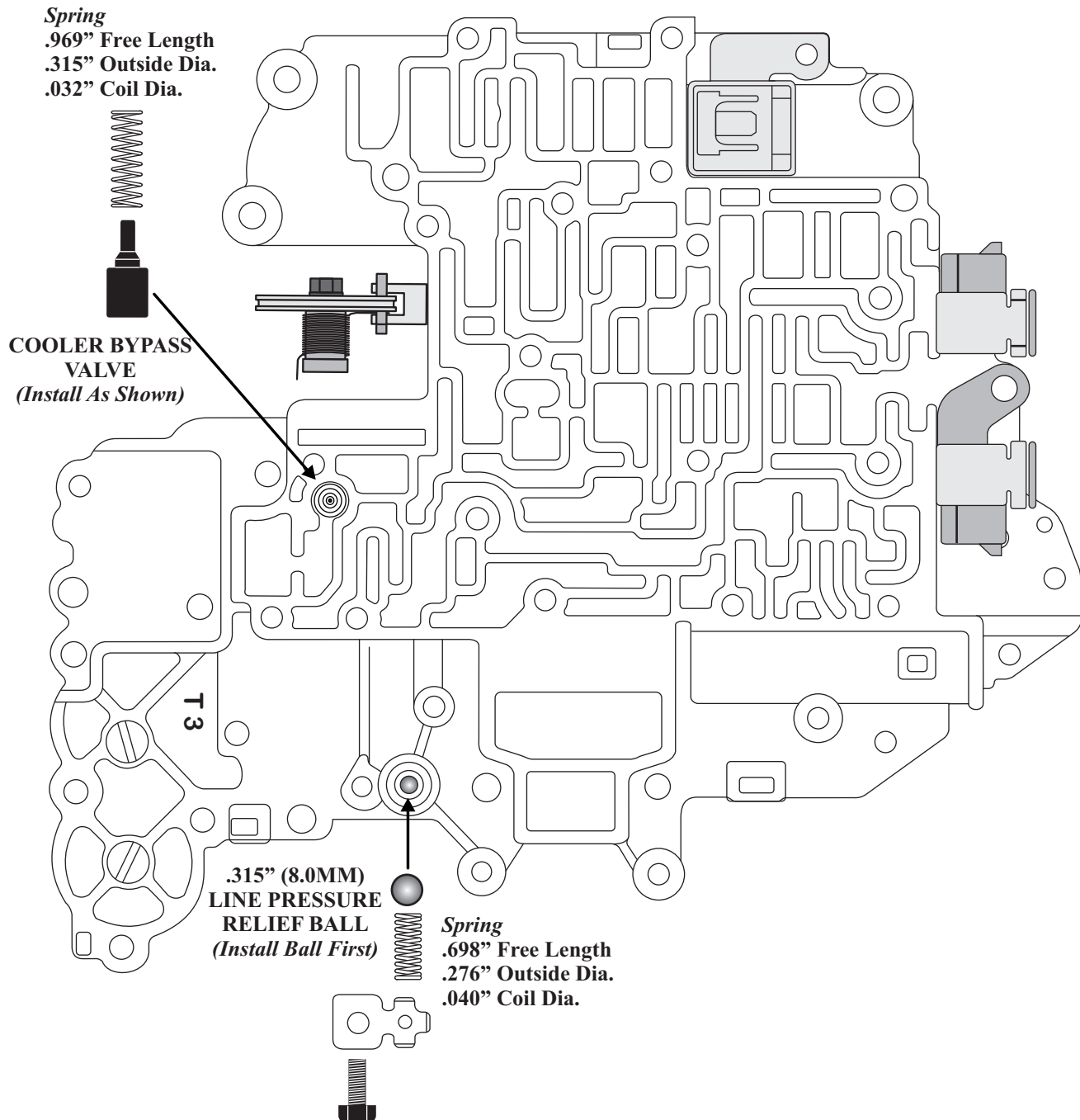
Figure 1

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VALVE BODY IDENTIFICATION

LOWER VALVE BODY (Bottom Side)

(Early With TV Cable)



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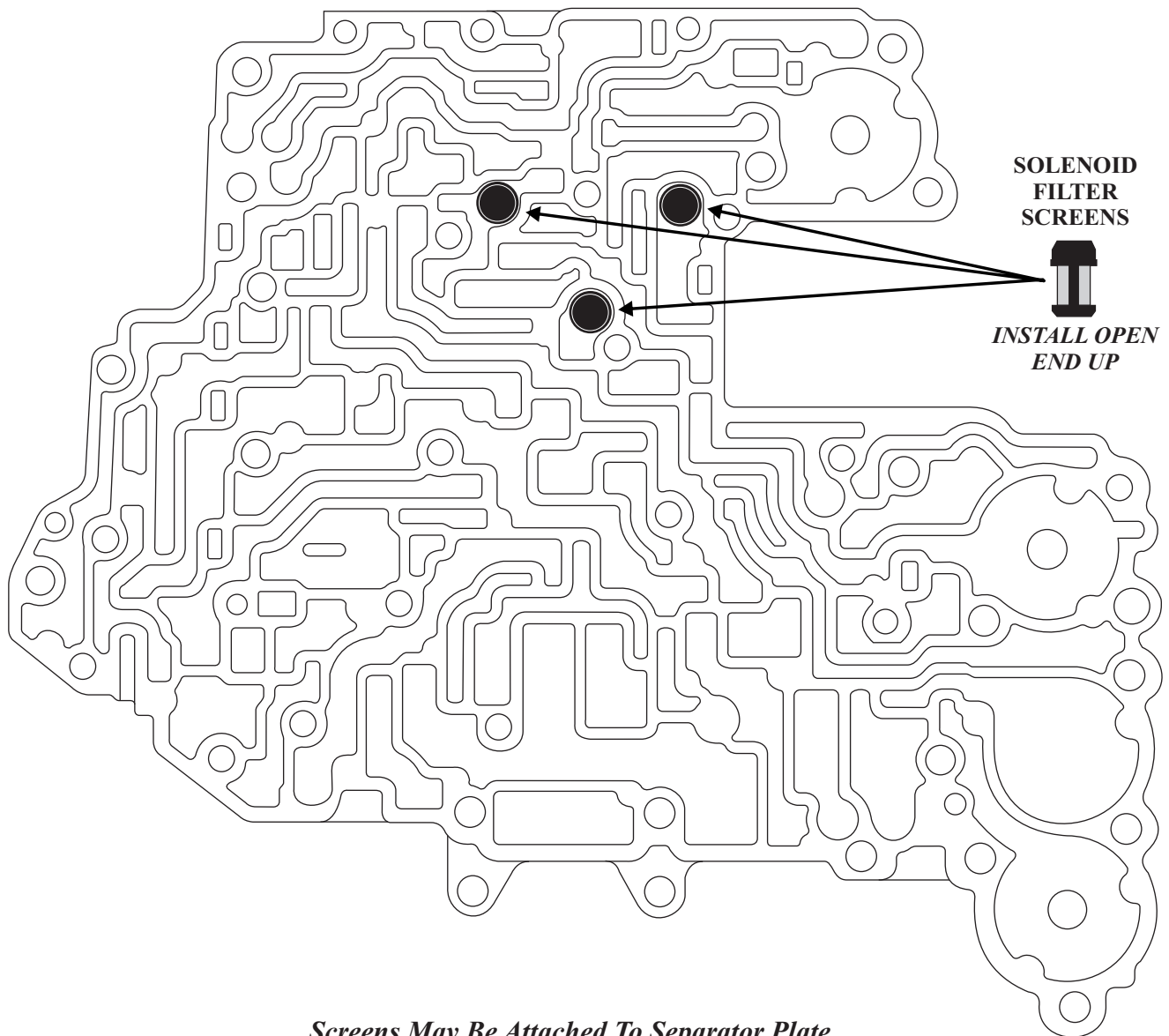
Figure 2

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VALVE BODY IDENTIFICATION

LOWER VALVE BODY (Top Side)

(Early With TV Cable)



Screens May Be Attached To Separator Plate.

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Figure 3

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VALVE BODY IDENTIFICATION

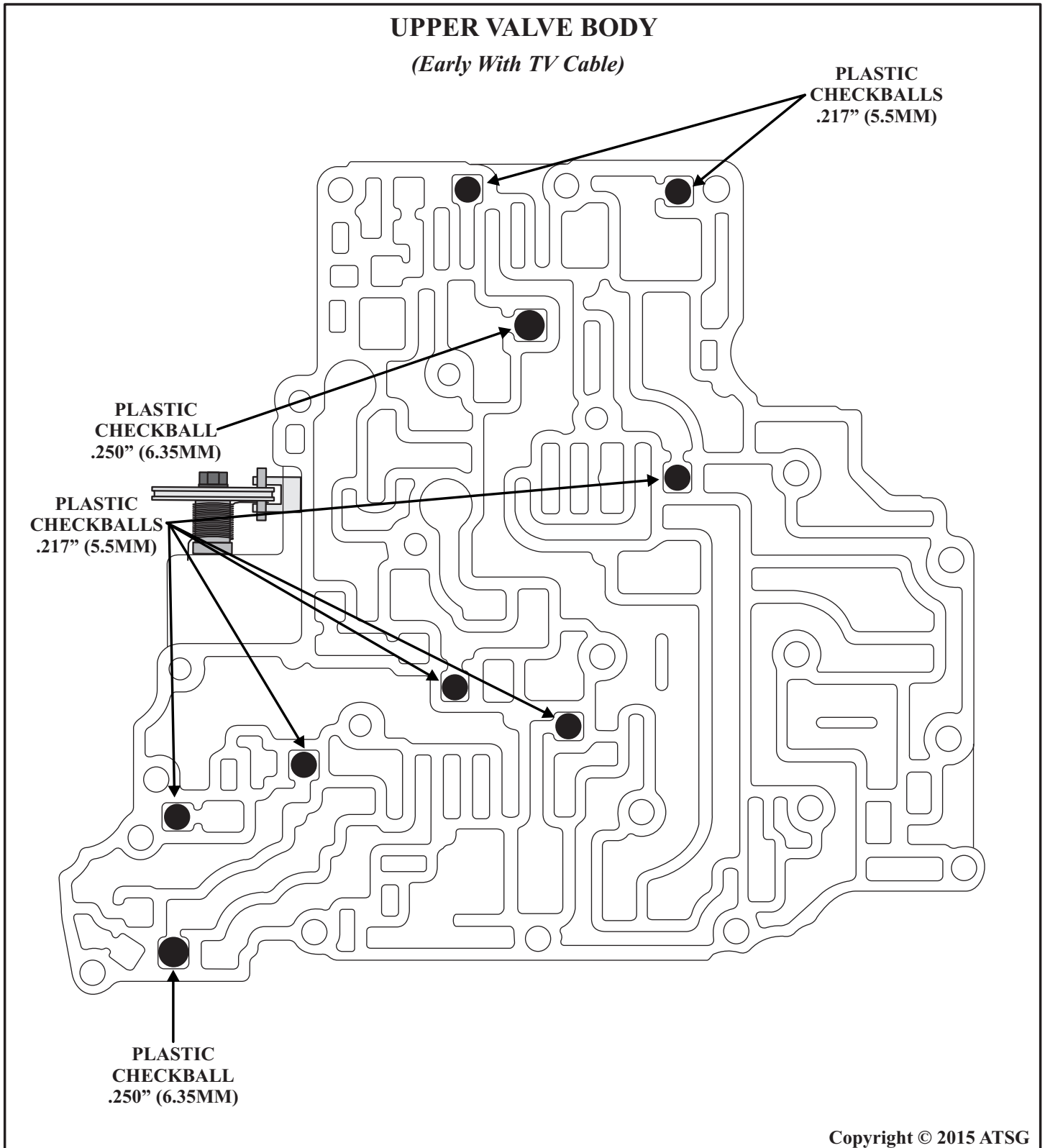


Figure 4

TOYOTA A245E/246E

VALVE BODY IDENTIFICATION

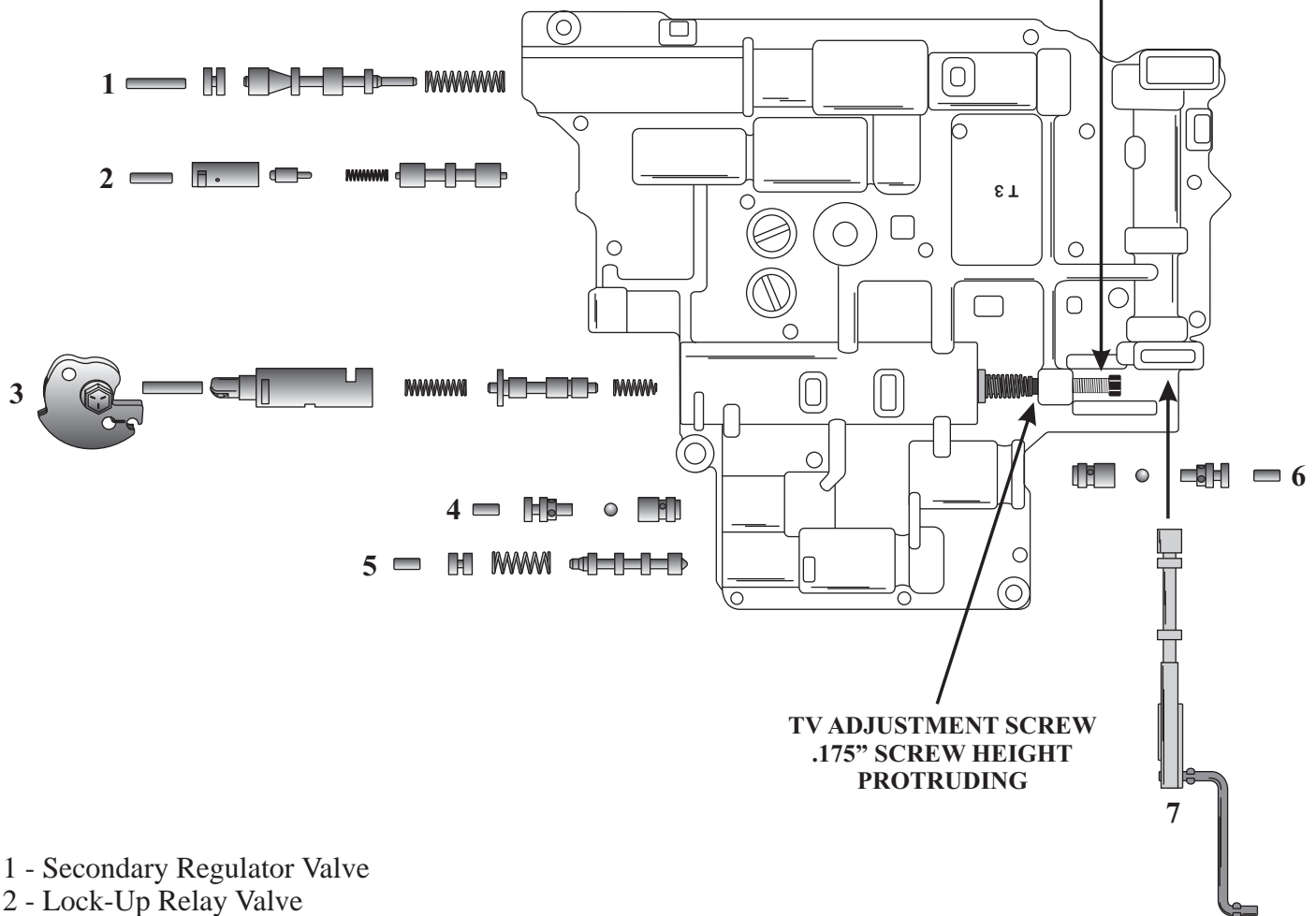
UPPER VALVE BODY

(Early With TV Cable)

SPRING SPECS (Inches)

- 1 - Secondary Regulator Valve - 1.463 x .411 x .052
- 2 - Lock-Up Relay Valve - .776 x .212 x .023
- 3 - Throttle Valve - (Inner) 1.083 x .349 x .042
(Outer) .681 x .286 x .026
- 5 - 3-4 Shift Valve - 1.040 x .386 x .034

SCREW RETAINER
GOES HERE



- 1 - Secondary Regulator Valve
- 2 - Lock-Up Relay Valve
- 3 - Throttle Valve & Cam
- 4 - Reverse Shift Restrict Ball (.250" 6.35mm Steel)
- 5 - 3-4 Shift Valve
- 6 - Reverse Shift Restrict Ball (.250" 6.35mm Steel)
- 7 - Manual Valve

Valve Spring Dimension Order is Free Length, Outside Diameter, Coil Thickness

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Figure 5

TOYOTA A245E/246E

VALVE BODY IDENTIFICATION

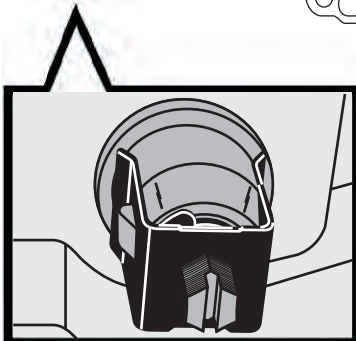
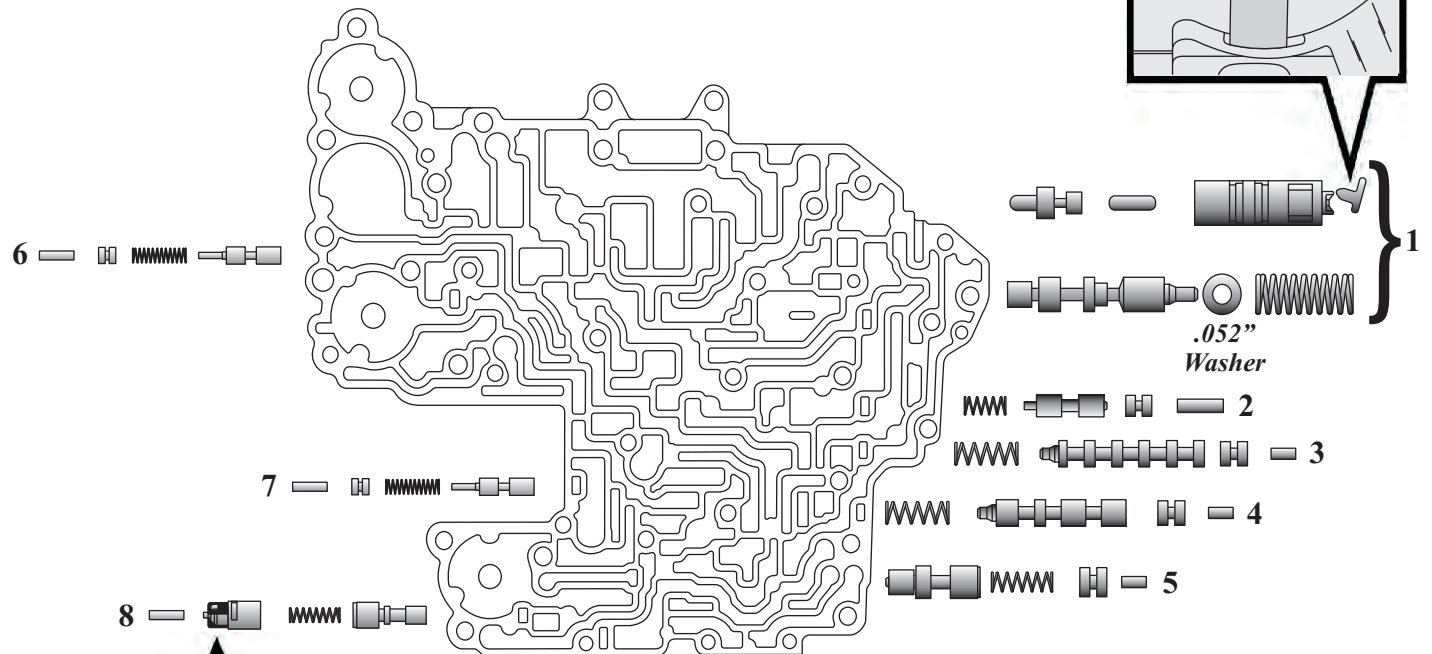
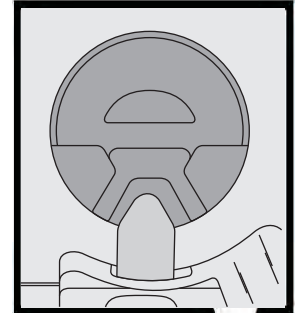
LOWER VALVE BODY

(Early With TV Cable)

SPRING SPECS (Inches)

- 1 - Primary Pressure Regulator Valve - 1.600 x .660 x .055
- 2 - Cut Back Valve - .729 x .298 x .023
- 3 - 2-3 Shift Valve - 1.032 x .390 x .032
- 4 - 1-2 Shift Valve - 1.032 x .390 x .032
- 5 - Reverse Control Valve - 1.00 x .340 x .025
- 6 - 2nd Coast Modulator Valve - 1.259 x .334 x .040
- 7 - Low Coast Modulator Valve - 1.117 x .329 x .035
- 8 - Accumulator Control Valve - 1.152 x .348 x .033

**Note Position Of
Lock Before Removal**



**Adjustment Nut Is
.050" Below Flush**

- 1 - Primary Pressure Regulator Valve
- 2 - Cut Back Valve
- 3 - 2-3 Shift Valve
- 4 - 1-2 Shift Valve
- 5 - Reverse Control Valve
- 6 - 2nd Coast Modulator Valve
- 7 - Low Coast Modulator Valve
- 8 - Accumulator Control Valve

Valve Spring Dimension Order is Free Length, Outside Diameter, Coil Thickness

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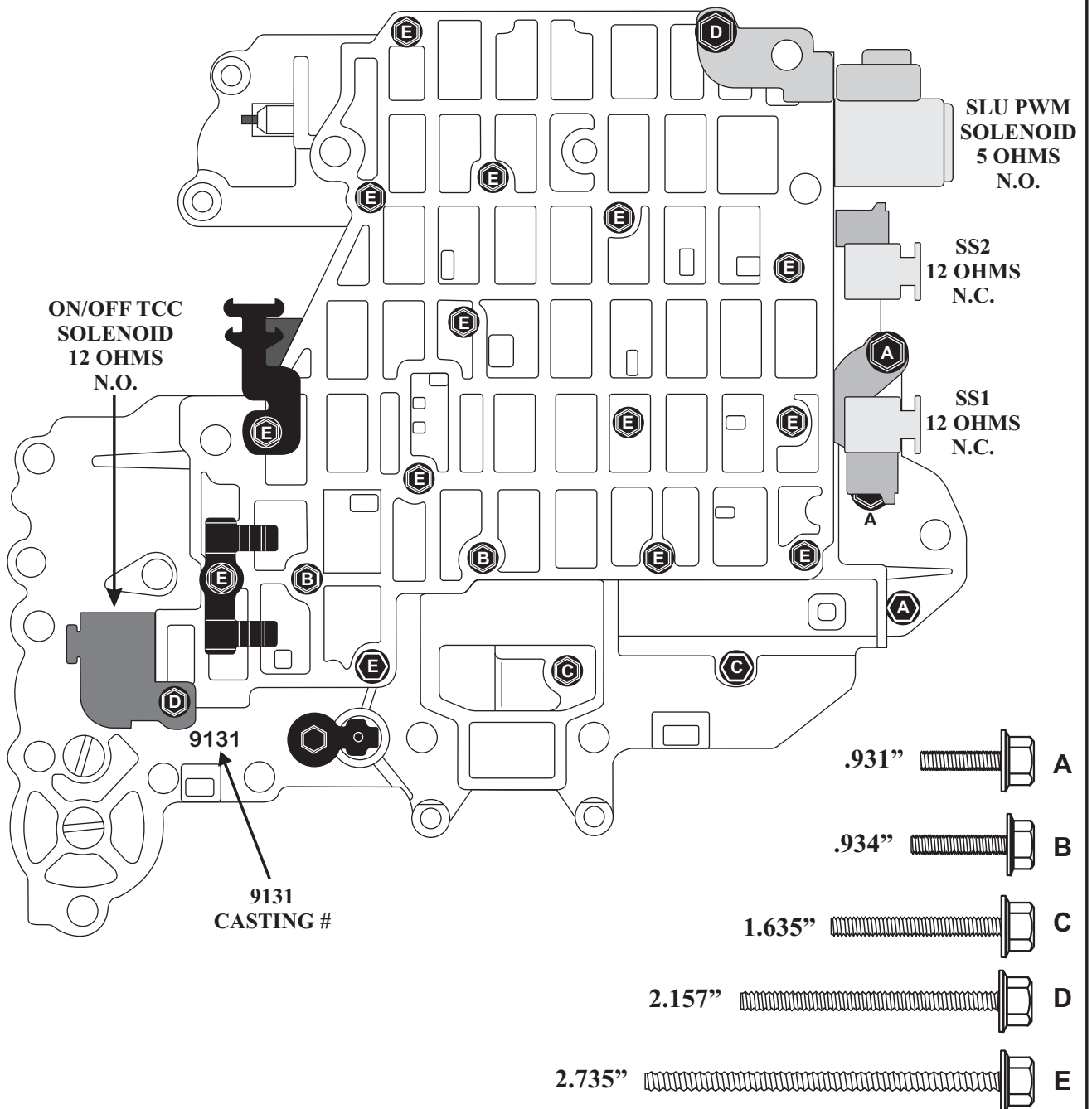
Figure 6

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VALVE BODY IDENTIFICATION

VALVE BODY ASSEMBLY (Bottom Side)

(Late With TV Cable)



Torque Valve Body Bolts To 60 In Lb.

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Figure 7

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VALVE BODY IDENTIFICATION

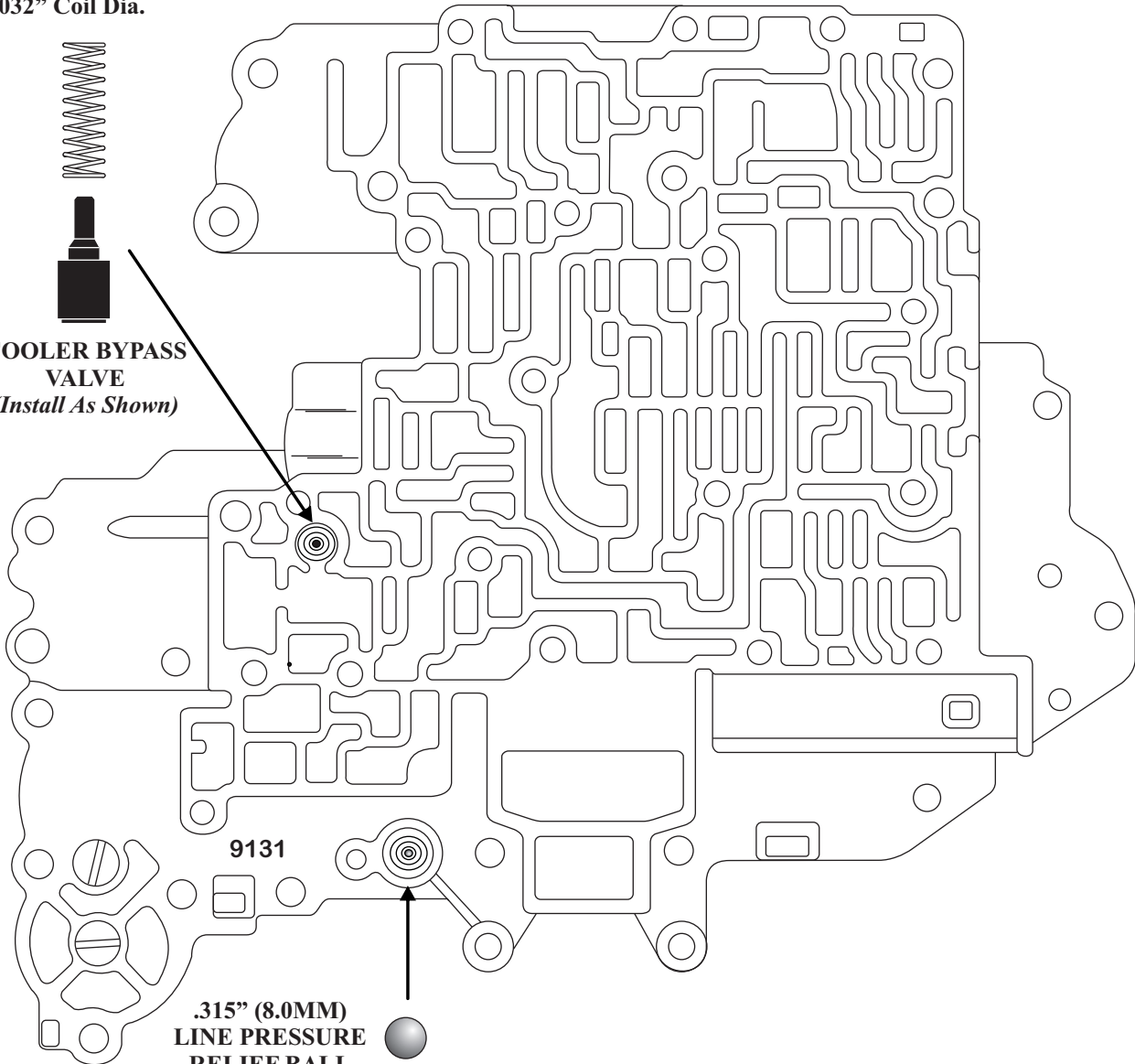
LOWER VALVE BODY (Bottom Side)

(Late With TV Cable)

Spring
.969" Free Length
.315" Outside Dia.
.032" Coil Dia.



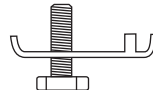
**COOLER BYPASS
VALVE**
(Install As Shown)



**.315" (8.0MM)
LINE PRESSURE
RELIEF BALL**
(Install Ball First)



Spring
.698" Free Length
.276" Outside Dia.
.040" Coil Dia.



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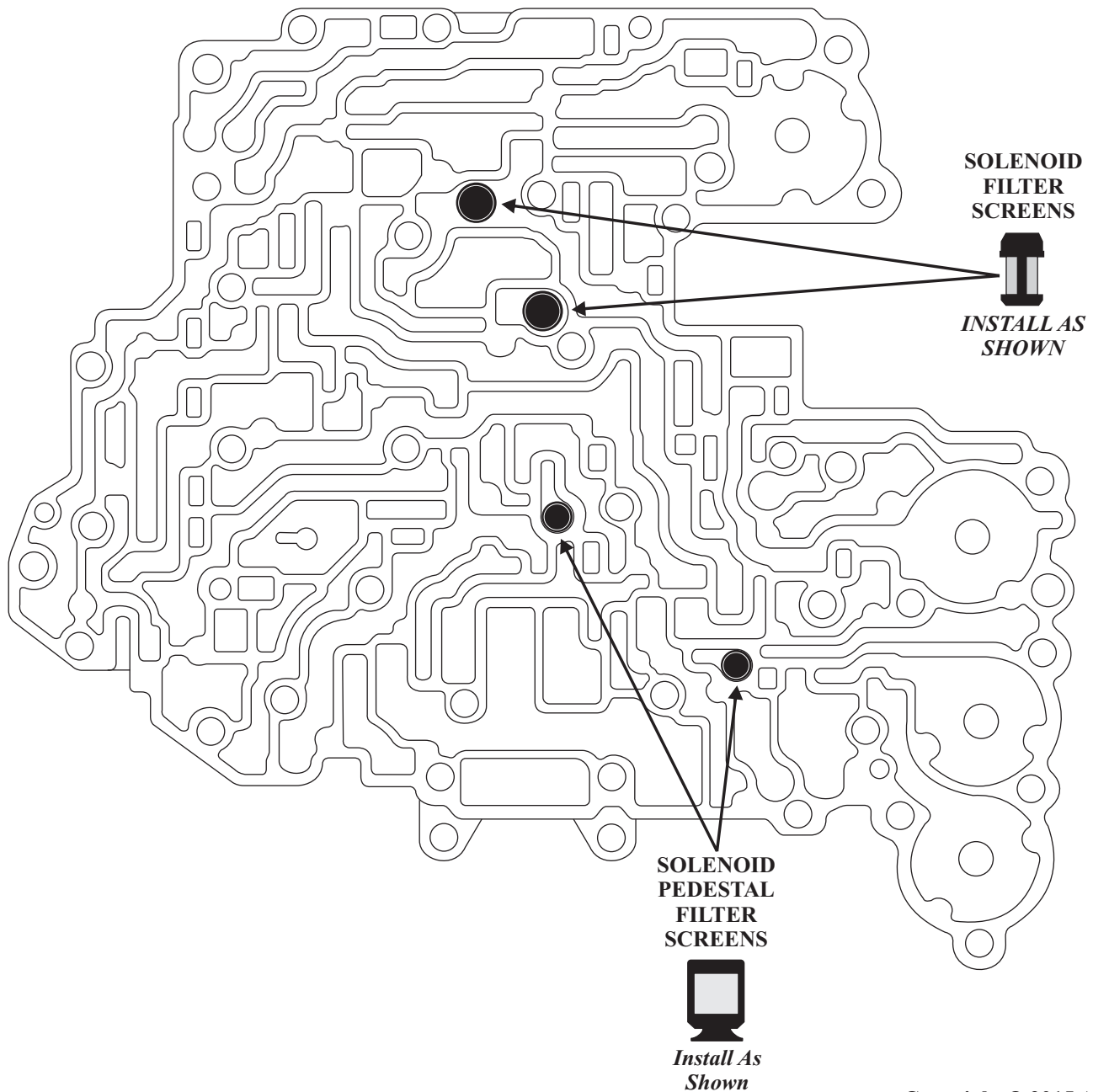
Figure 8

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VALVE BODY IDENTIFICATION

LOWER VALVE BODY (Top Side)

(Late With TV Cable)



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Figure 9

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VALVE BODY IDENTIFICATION

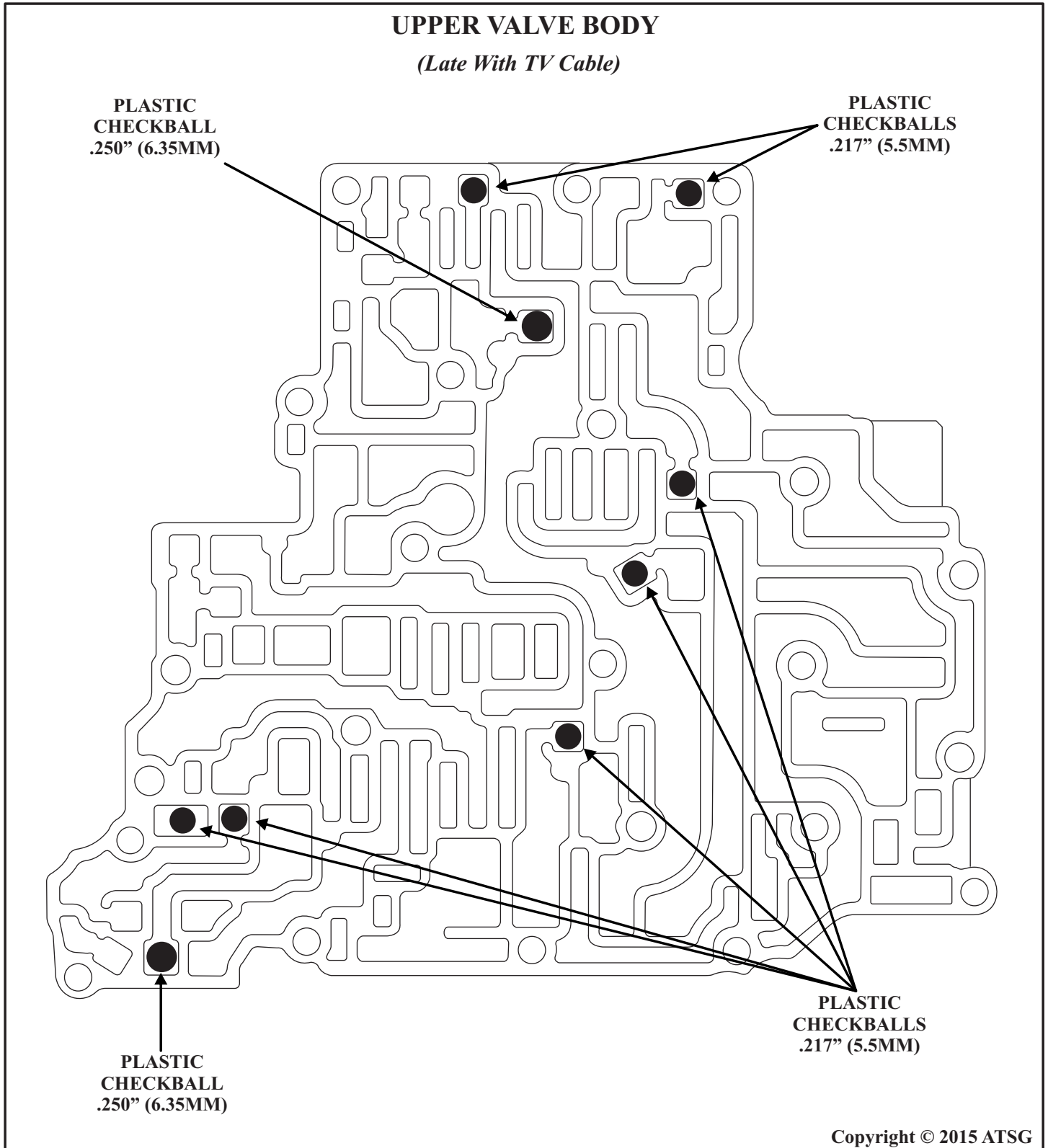


Figure 10

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VALVE BODY IDENTIFICATION

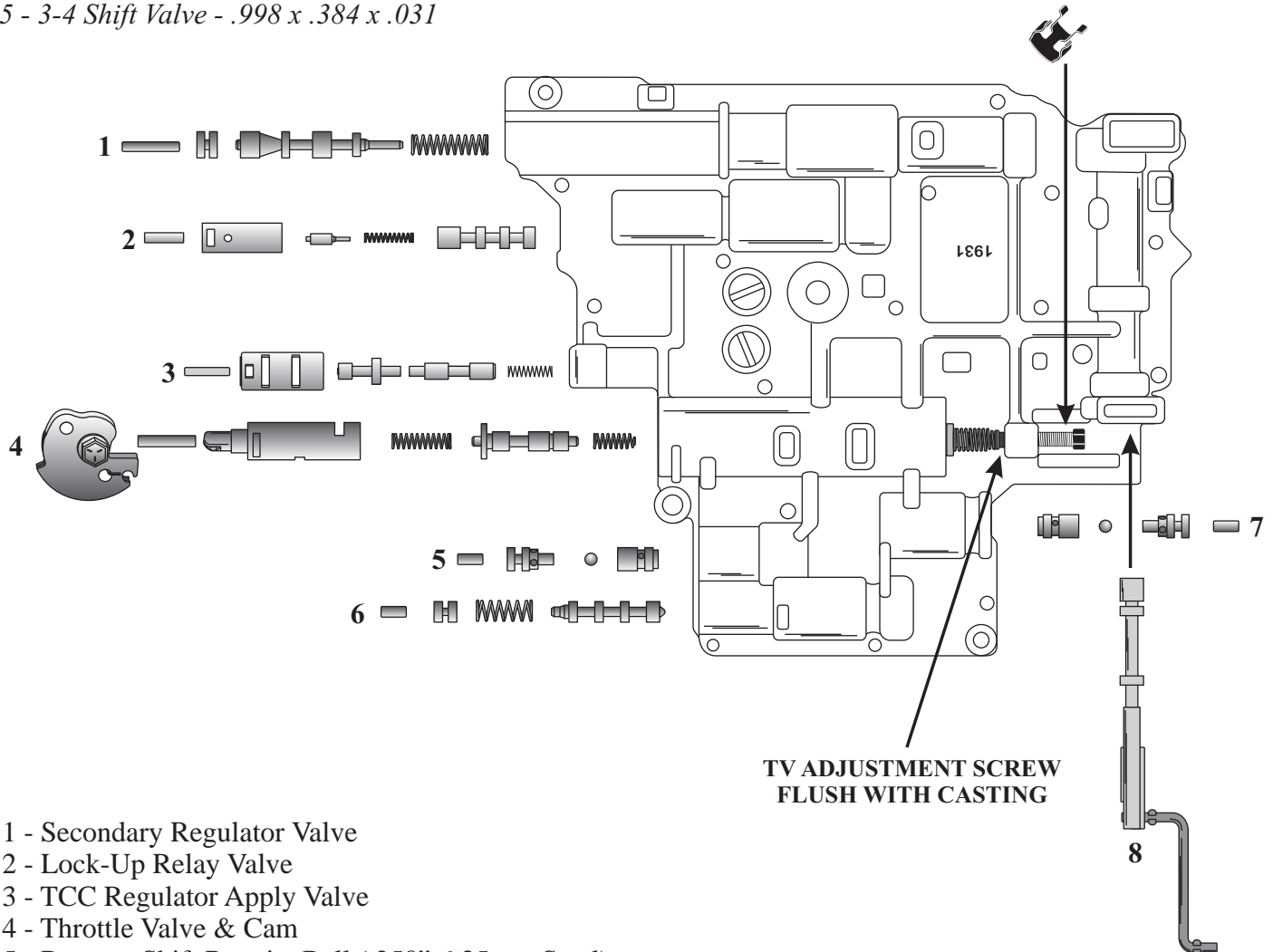
UPPER VALVE BODY

(Late With TV Cable)

SPRING SPECS (Inches)

- 1 - Secondary Regulator Valve - 1.443 x .404 x .050
- 2 - Lock-Up Relay Valve - .734 x .202 x .020
- 3 - TCC Regulator Apply Valve - .817 x .213 x .023
- 3 - Throttle Valve - (Inner) 1.070 x .343 x .039
(Outer) .685 x .283 x .024
- 5 - 3-4 Shift Valve - .998 x .384 x .031

SCREW RETAINER
GOES HERE



- 1 - Secondary Regulator Valve
- 2 - Lock-Up Relay Valve
- 3 - TCC Regulator Apply Valve
- 4 - Throttle Valve & Cam
- 5 - Reverse Shift Restrict Ball (.250" 6.35mm Steel)
- 6 - 3-4 Shift Valve
- 7 - Reverse Shift Restrict Ball (.250" 6.35mm Steel)
- 8 - Manual Valve

TV ADJUSTMENT SCREW
FLUSH WITH CASTING

Valve Spring Dimension Order is Free Length, Outside Diameter, Coil Thickness

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Figure 11

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VALVE BODY IDENTIFICATION

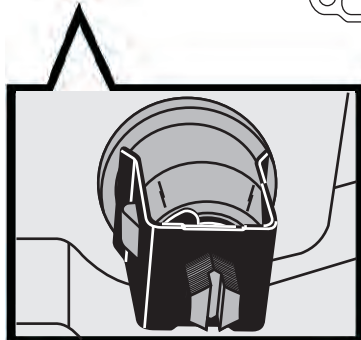
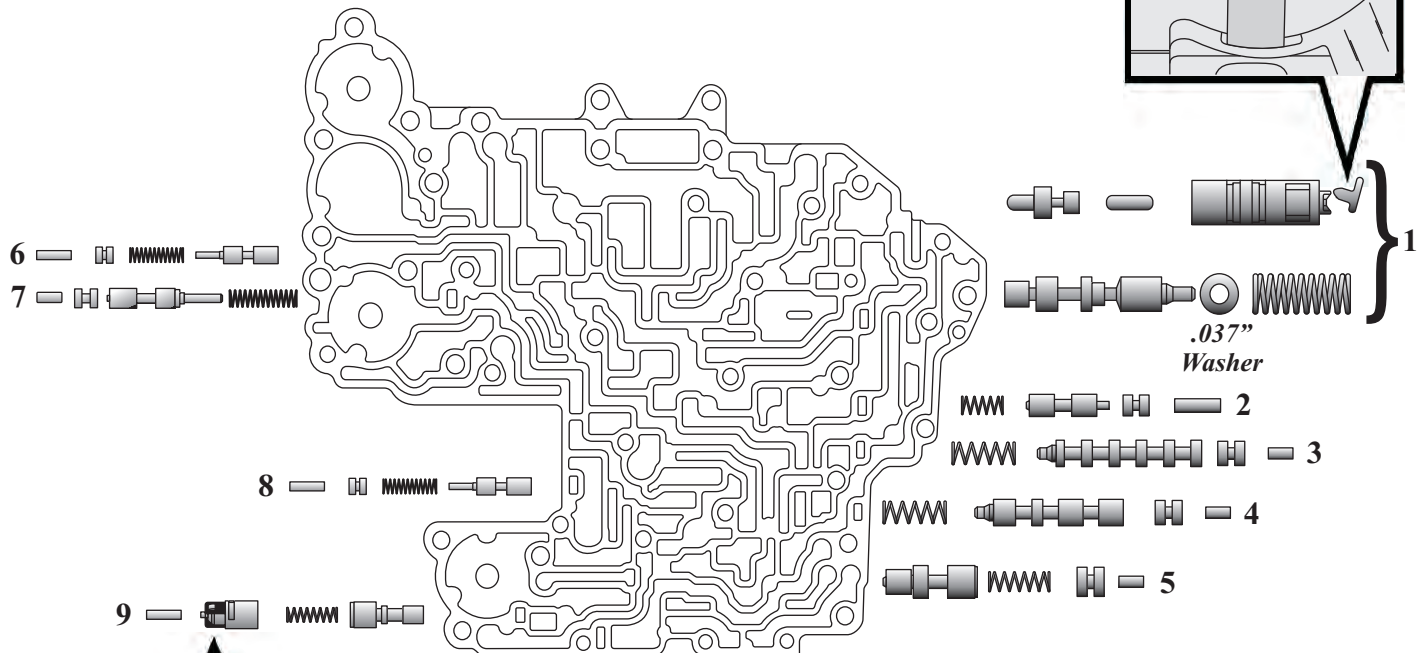
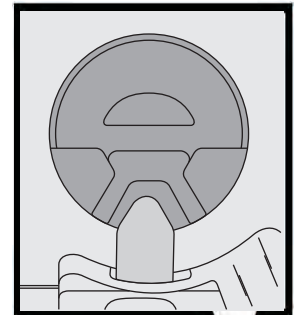
LOWER VALVE BODY

(Late With TV Cable)

SPRING SPECS (Inches)

- 1 - Primary Pressure Regulator Valve - 1.577 x .659 x .054
- 2 - Cut Back Valve - .712 x .297 x .022
- 3 - 2-3 Shift Valve - .998 x .386 x .031
- 4 - 1-2 Shift Valve - .998 x .386 x .031
- 5 - Reverse Control Valve - .998 x .341 x .023
- 6 - 2nd Coast Modulator Valve - 1.246 x .334 x .039
- 7 - SLU Pressure Regulator Valve - 1.269 x .318 x .046
- 8 - Low Coast Modulator Valve - 1.119 x .326 x .035
- 9 - Accumulator Control Valve - 1.203 x .350 x .030

**Note Position Of
Lock Before Removal**



**Adjustment Nut Is
.098" Below Flush**

- 1 - Primary Pressure Regulator Valve
- 2 - Cut Back Valve
- 3 - 2-3 Shift Valve
- 4 - 1-2 Shift Valve
- 5 - Reverse Control Valve
- 6 - 2nd Coast Modulator Valve
- 7 - SLU Solenoid Regulator Valve
- 8 - Low Coast Modulator Valve
- 9 - Accumulator Control Valve

Valve Spring Dimension Order is Free Length, Outside Diameter, Coil Thickness

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Figure 12

TOYOTA A245E/246E

VALVE BODY IDENTIFICATION

VALVE BODY ASSEMBLY (Bottom Side)

With Line Pressure Solenoid (SLT)

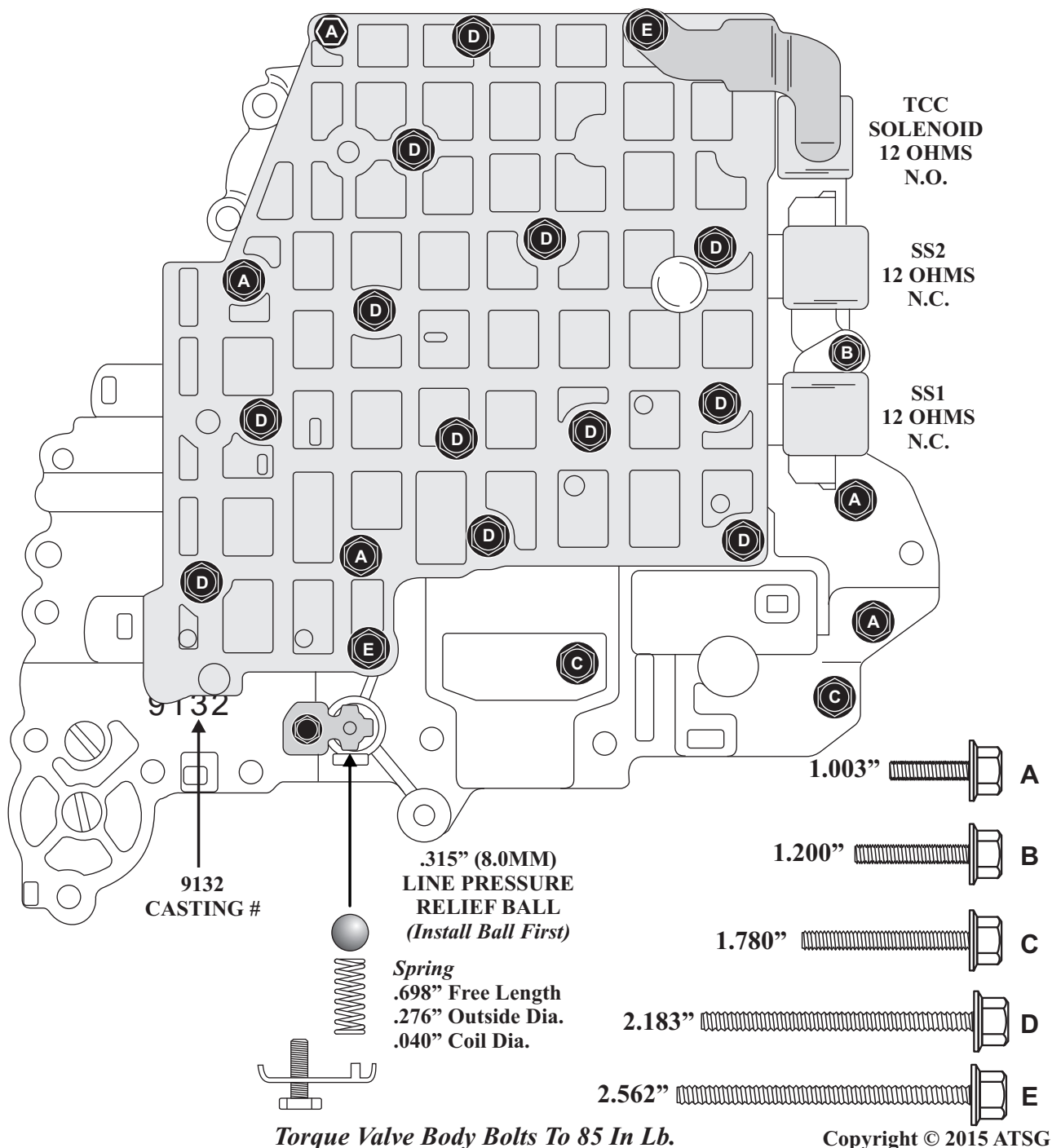


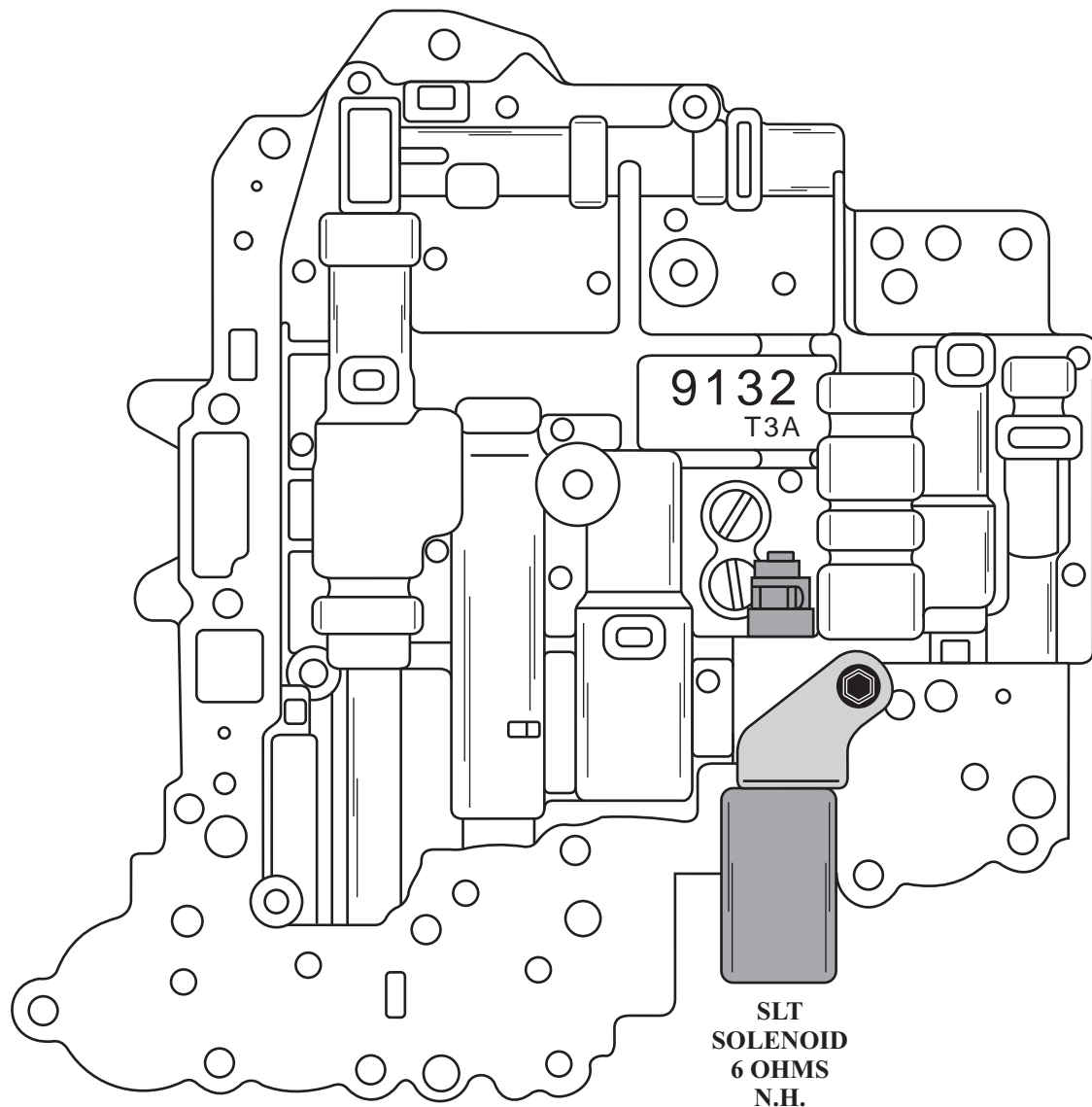
Figure 13

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VALVE BODY IDENTIFICATION

UPPER VALVE BODY (Top Side)

With Line Pressure Solenoid (SLT)



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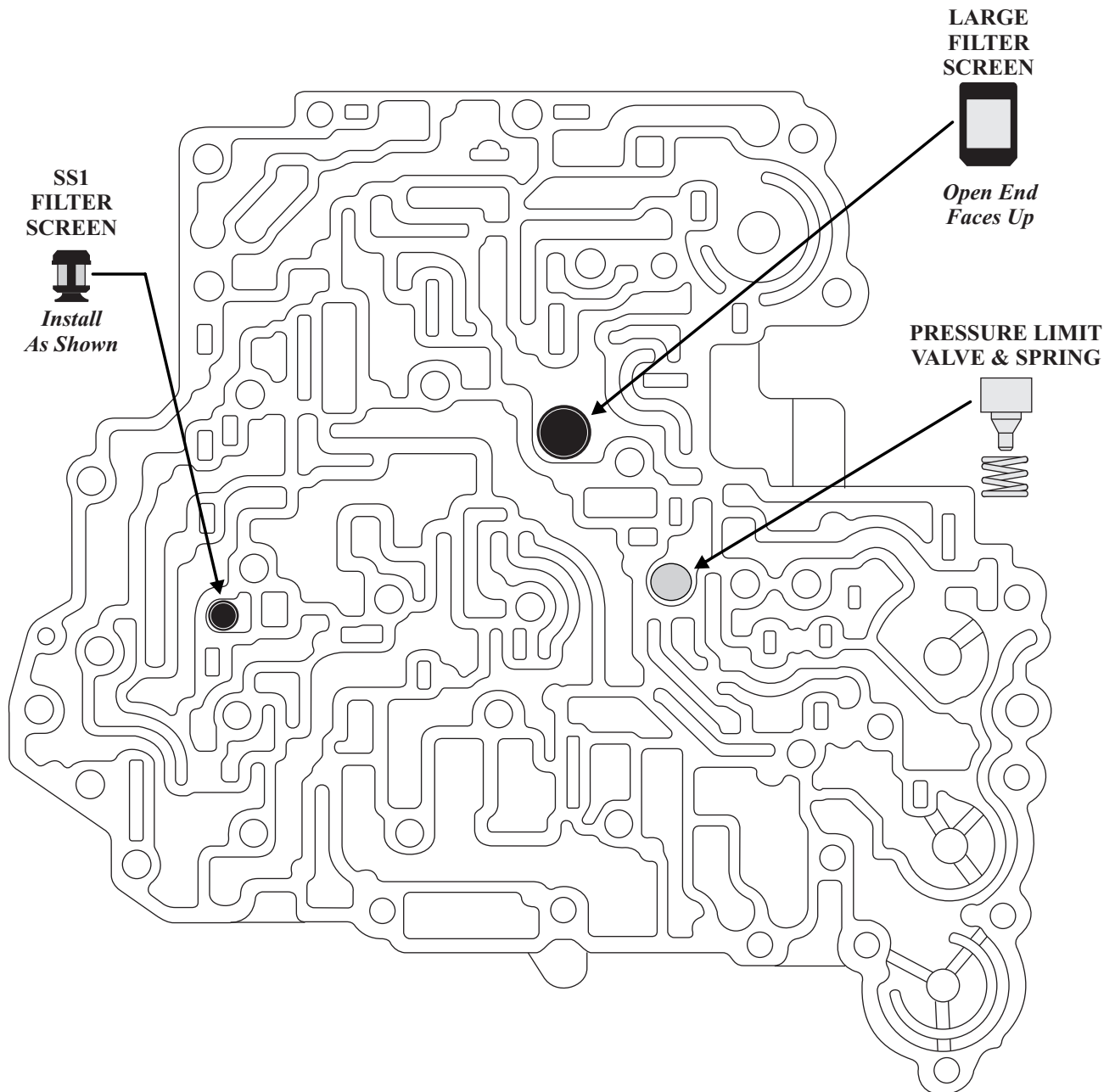
Figure 14

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VALVE BODY IDENTIFICATION

LOWER VALVE BODY (Top Side)

With Line Pressure Solenoid (SLT)



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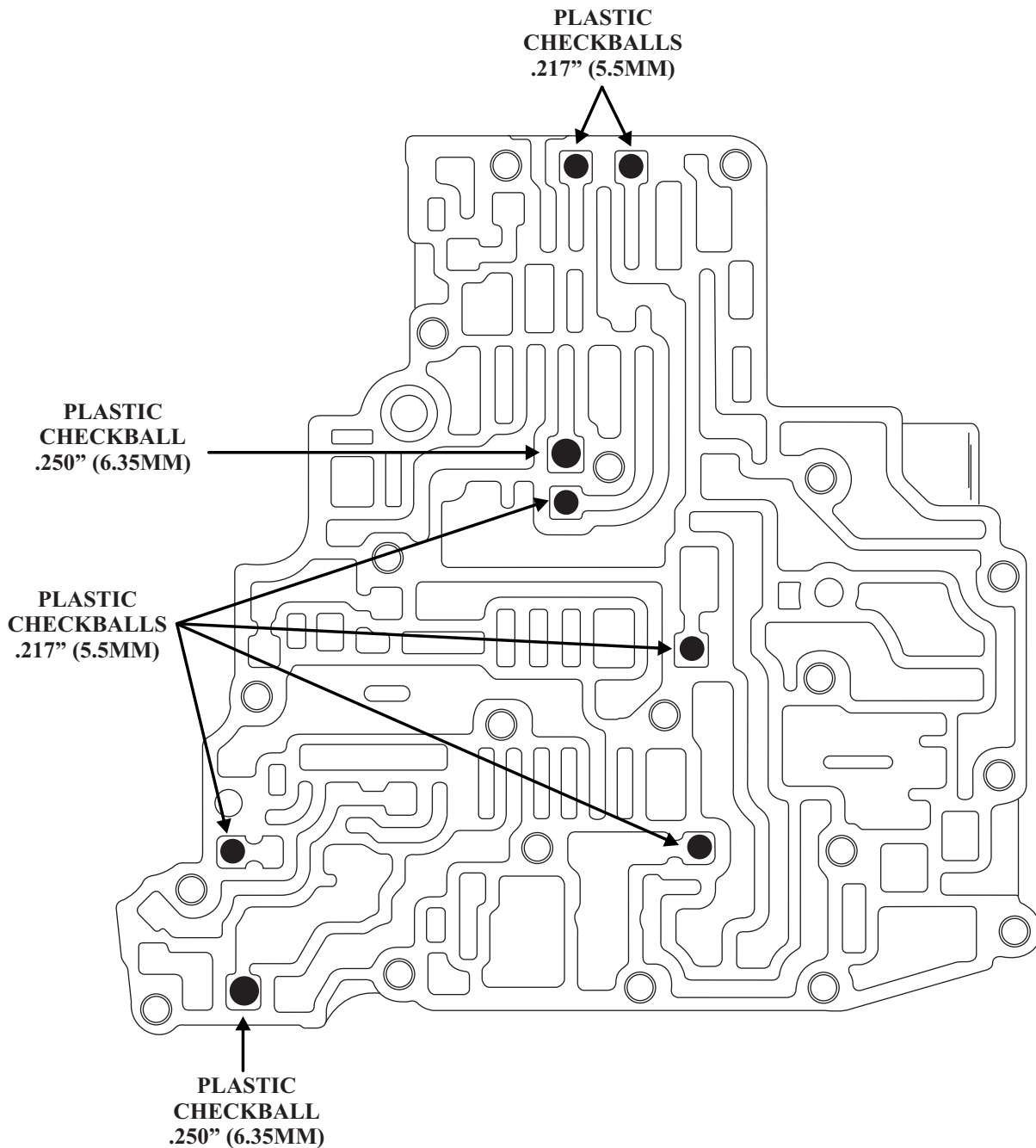
Figure 15

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VALVE BODY IDENTIFICATION

UPPER VALVE BODY

With Line Pressure Solenoid (SLT)



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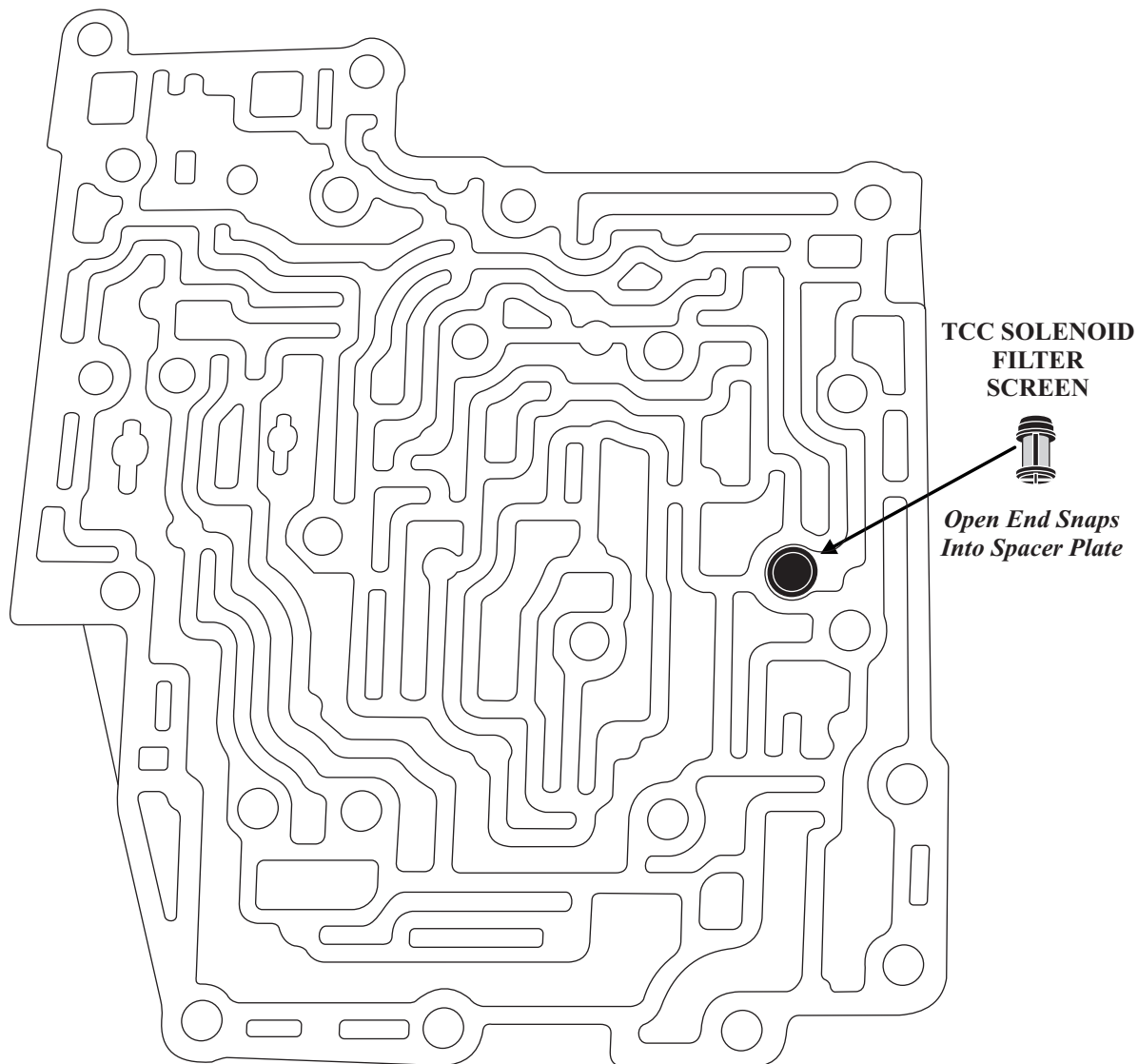
Figure 16

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VALVE BODY IDENTIFICATION

LOWER VALVE BODY COVER

With Line Pressure Solenoid (SLT)



Screen May Be Attached To Separator Plate.

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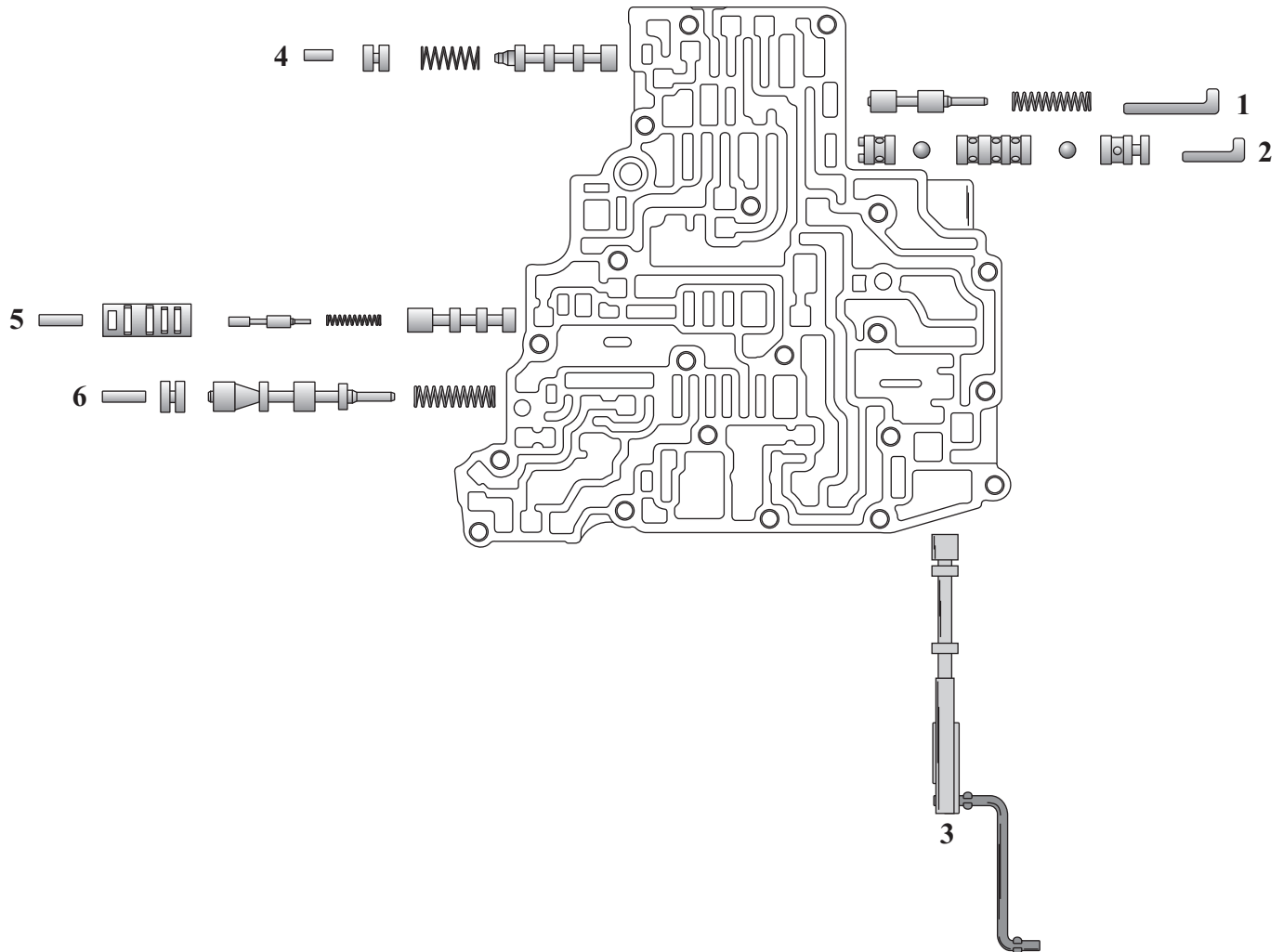
Figure 17

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VALVE BODY IDENTIFICATION

UPPER VALVE BODY

With Line Pressure Solenoid (SLT)



- 1 - SLT Solenoid Limit Valve
- 2 - Reverse Shift Restrict Ball (.250" 6.35mm Steel)
- 3 - Manual Valve
- 4 - 3-4 Shift Valve
- 5 - Lockup Relay Valve & Sleeve
- 6 - Secondary Regulator Valve

SPRING SPECS (Inches)

- 1 - SLT Solenoid Limit Valve - 1.200 x .286 x .025
- 4 - 3-4 Shift Valve - .997 x .387 x .031
- 5 - Lockup Relay Valve - .941 x .233 x .022
- 6 - Secondary Regulator Valve - 1.436 x .407 x .050

Valve Spring Dimension Order is Free Length, Outside Diameter, Coil Thickness

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Figure 18

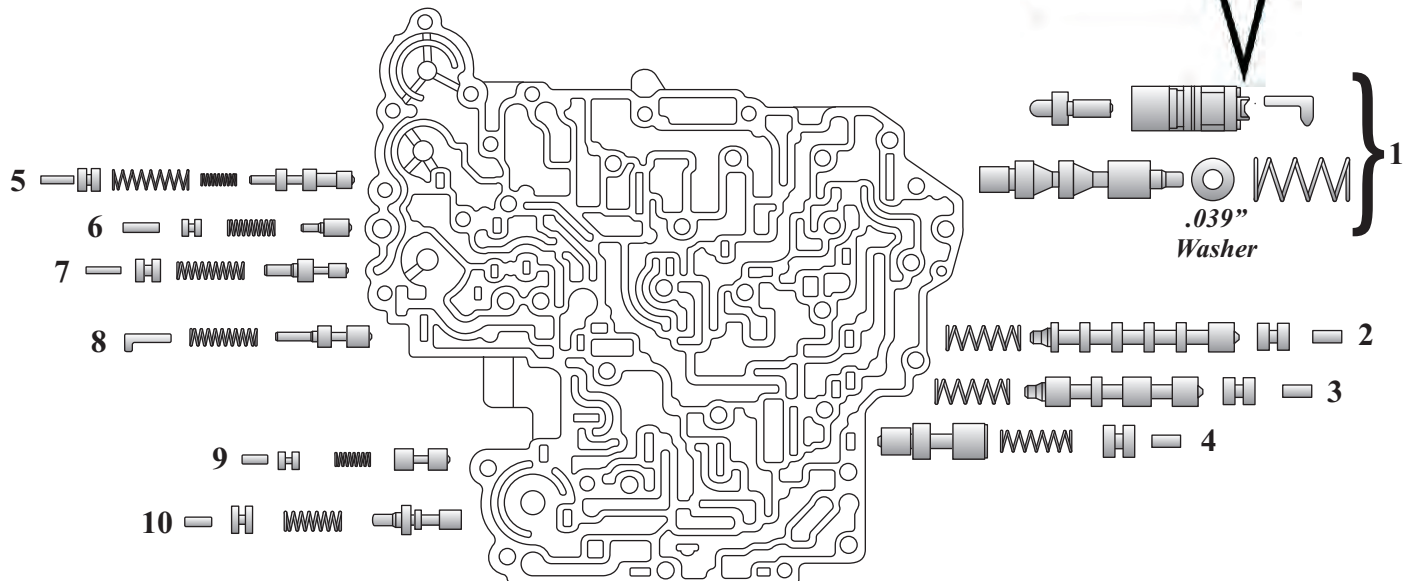
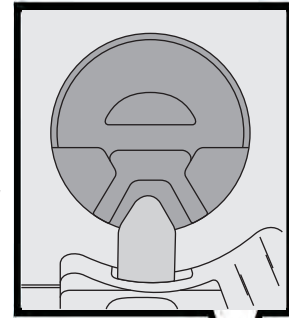
TOYOTA A245E/246E

VALVE BODY IDENTIFICATION

LOWER VALVE BODY

With Line Pressure Solenoid (SLT)

*Note Position Of
Lock Before Removal*



SPRING SPECS (Inches)

- 1 - Primary Pressure Regulator Valve
- 2 - 2-3 Shift Valve
- 3 - 1-2 Shift Valve
- 4 - Reverse Control Valve
- 5 - Forward Clutch Control Valve
- 6 - SLT Solenoid Accumulator Valve
- 7 - B2 Accumulator Control Valve
- 8 - Solenoid Modulator Valve
- 9 - Low Coast Modulator Valve
- 10 - C2/C3 Accumulator Control Valve

- 1 - Primary Pressure Regulator Valve - 1.335 x .662 x .047
- 2 - 2-3 Shift Valve - 1.00 x .385 x .030
- 3 - 1-2 Shift Valve - 1.00 x .385 x .030
- 4 - Reverse Control Valve - 1.00 x .339 x .022
- 5 - Forward Clutch Control Valve - (Outer) 1.430 x .438 x .030
(Inner) .759 x .302 x .030
- 6 - SLT Solenoid Accumulator Valve - .990 x .312 x .033
- 7 - B2 Accumulator Control Valve - 1.326 x .418 x .048
- 8 - Solenoid Modulator Valve - 1.420 x .385 x .056
- 9 - Low Coast Modulator Valve - .757 x .287 x .031
- 10 - C2/C3 Accumulator Control Valve - 1.169 x .444 x .037

Valve Spring Dimension Order is Free Length, Outside Diameter, Coil Thickness

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Figure 19